

Special Issue

Research on Wood-Based Composites

Message from the Guest Editors

Wood-based composite (WBC) has many advantages in geometry, density, bio- and water resistance, fireproofing, durability, strength, thermal and acoustic insulation. In addition, their manufacture makes it possible to reduce the use of wood or the use of lower-quality and small-sized wood and other types of material, often recycled. For years, WBCs have also attracted increasing attention from various research institutions seeking to develop a new sustainable product.

This special issue is to present the latest research on the manufacturing technology process, its efficiency and cost reduction, and the properties of the conventional as well as a new type of wood-based composite. Particularly, welcome works on the development of a new type of environmentally friendly binding systems, the use of alternative raw materials, the improvement of hygienic, durability, quality of WBCs (thermal and chemical treatment of raw material and finished product, the use of nanomaterials), the development of new materials with a three-dimensional structure, multilayer composites (sandwich panel), lightweight composites, hybrid composites, their assembly systems and the recycling process of WBCs.

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Deadline for manuscript submissions

closed (30 June 2024)



Polymers

an Open Access Journal
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Impact Factor 4.9
CiteScore 9.7
Indexed in PubMed



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Since its foundation in 2009, *Polymers* has developed into an internationally renowned, extremely successful open access journal. The editorial team and the editorial board dedicatedly combine open-access publishing and high-quality rigorous peer reviewing. The performance of the journal has proven this strategy to be well-suited and highly successful. This is reflected in the increasing impact factor of *Polymers*, the most recent one being 4.7.

I would like to invite you to contribute to the success of the journal by sending us your high quality research papers. We would be pleased to welcome you as one of our authors.

Editor-in-Chief

Prof. Dr. Alexander Böker

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